

## IN THE CLAIMS

1. (Previously presented) A system, comprising:  
  
an accelerometer to measure tilt and rotation; and  
  
a controller coupled to the accelerometer to predistort image data responsive to the tilt and the rotation such that the predistorted image data projects an undistorted keystone corrected image on a projection surface not perpendicular to a projection axis.
2. (Original) The system of claim 1 where the accelerometer is a two dimensional accelerometer.
3. (Original) The system of claim 1 where the controller calculates a horizontal angle responsive to the tilt and rotation.
4. (Previously presented) The system of claim 1 where the system projects the predistorted image data as an undistorted image displaying no keystone distortion on the projection surface.
5. (Currently Amended) A system, comprising:  
  
a single position detecting means for detecting first and second positions; and  
  
predistortion means for predistorting image data responsive to the first and second positions such that the predistorted image data projects an undistorted keystone distortion corrected image on a projection surface not perpendicular to a projection axis.
6. (Original) The system of claim 5 where the position detecting means is an accelerometer.
7. (Original) The system of claim 6 where the accelerometer is a two-dimensional accelerometer.

8. (Original) The system of claim 6 where the accelerometer is an inertial accelerometer.
9. (Original) The system of claim 6  
where the accelerometer generates a tilt signal indicative of vertical tilt; and  
where the accelerometer generates a rotation signal indicative of a horizontal rotation.
10. (Currently Amended) A method, comprising:  
automatically detecting a projector's position in two dimensions using a two dimensional accelerometer;  
predistorting image data responsive to the projector's position such that the  
predistorted image data projects projected image without keystone distortion on a projection  
surface not perpendicular to a projection axis.
11. (Original) The method of claim 10 where automatically detecting a projector's  
position includes automatically detecting vertical tilt and horizontal rotation.
12. (Currently Amended) The method of claim 11 comprising calculating  $[[a]]$  vertical  
and horizontal rotation angles from the vertical tilt and horizontal rotation.
13. (Cancelled)
14. (Cancelled)
15. (Original) The method of claim 10 where automatically detecting a projector's  
position includes using an inertial accelerometer.